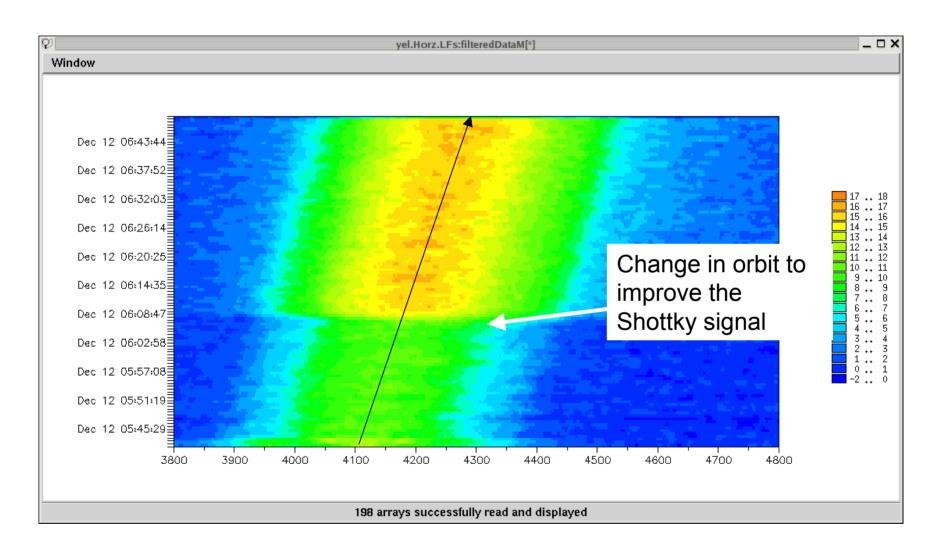
Energy Loss Experiment APEX

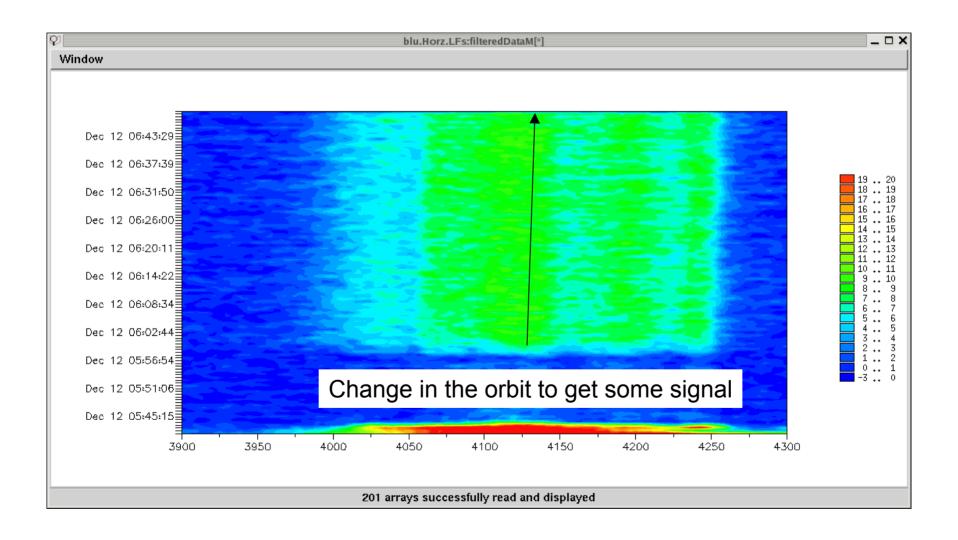
N. P. Abreu, W. Fischer,

K. Brown, M. Blaskiewicz, J. Buttler, and H. Burkhardt (CERN)

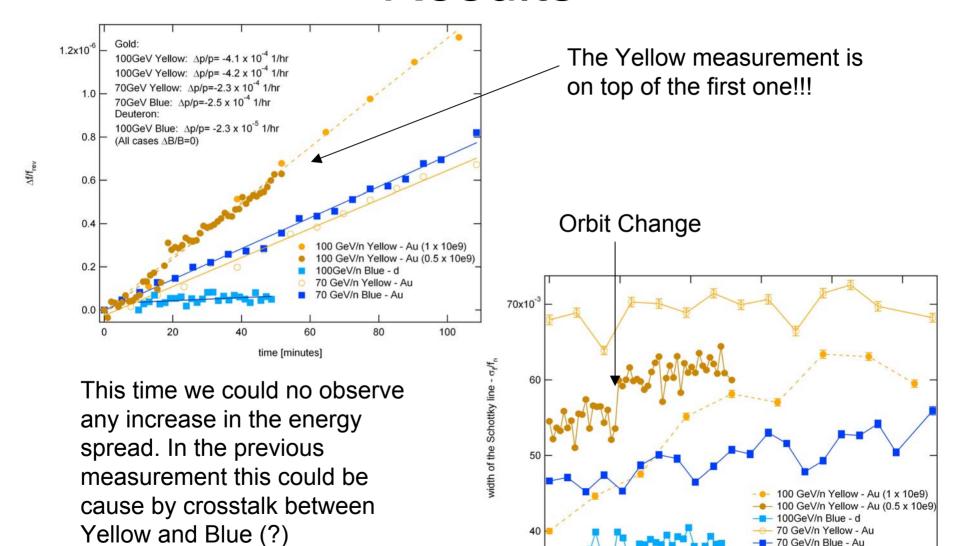
Yellow



Blue



Results



time [minutes]

Summary

Parameters	particle		Au79+			d
	Energy	GeV/nucleon	100	100	70	70
	γ		107.4	107.4	75.2	108.7
	η		0.0018	0.0018	0.0017	0.0018
Impedance	σ	mm	0.538	0.538	0.79	0.79
	k _{loss} - Diffraction	V/pC	4776	4776	4744	4776
	k _{loss} - Resisitive Wall	V/pC	394	394	230	394
	U _{ipm}	eV/turn	5.17	5.17	4.97	0.00
lonization	Р	nTorr	1	1	1	1
	U _i	meV/turn	9.7	9.7	9.3	9.3
lmp+lon	U _i +U _{ipm}	eV/turn	5.18	5.18	4.98	0.01
	Δp/p x 10 ⁻⁴	1/hour	1.85	1.85	1.78	0.00
Synchrotron	U₅	eV/turn	20.6	20.6	4.95	0.27
	Δp/p x 10 ⁻⁴	1/hour	7.4	7.4	2.5	7.6
	supression	%	56	56	94	100
	with suppression	1/hour	3.26	3.26	0.15	0.00
Total - Calc.	Δp/p x 10 ⁻⁴	1/hour	5.10	5.10	1.93	0.23
Exp. error	Δp/p x 10 ⁻⁴	1/hour	0.5	0.5	0.2	0.01
Total - Measured		1/hour	4.1	4.2	2.4	0.25